

ABSTRACT

The present invention relates to determination of a property of an optical device under test, e.g. the group-delay of the optical device under test, by: a) tuning an optical frequency  $\lambda$  of an optical beam (4), b) deriving a dependency of the optical frequency  $\lambda$  of the optical beam (4) over a first time period  $t$ , c) deriving a dependency of the optical property of the device under test (18) over a second time period  $t + \Delta t$ , d) synchronizing the time dependency of the optical frequency  $\lambda$  of the optical beam (4) with the time dependency of the optical property of the device under test (18), and e) deriving the frequency dependency of the optical property of the device under test (18) from the synchronized time dependencies.

[Fig. 1 for publication]

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